



## COMBINED DECLARATION AND POWER OF ATTORNEY

As the below named inventor(s), I (we) hereby declare that:

My (Our) residence, post office address and citizenship(s) are as stated below next to my (our) name(s).

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

### WAVEGUIDE-BASED OPTICAL CHEMICAL SENSOR

the specification of which (check one)  is attached hereto  was filed on November 9, 2001, Docket No. S-97,794, S/N 10/052,862.

I (We) hereby state that I (we) have reviewed and understand the contents of the above-identified specification, including claims, as amended by any amendment referred to above.

I (We) acknowledge the duty to disclose information which is material to the examination of this application in accordance with 37 CFR 1.56.

I (We) hereby claim foreign priority benefits under 35 USC §119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

### PRIOR FOREIGN APPLICATION(S)

Number	Country	Filed (Day/Month/Year)	Priority Claimed
			<input type="checkbox"/> Yes <input type="checkbox"/> No

### PRIOR U.S. APPLICATIONS

I hereby claim the benefit under 35 USC §119(e) of any United States provisional application(s) listed below:

60/100,250 (Application Number)	September 10, 1998 Filing Date

(Application Number)	Filing Date

I (We) hereby claim the benefit under 35 USC §120 of any United States application(s) listed below and insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of 35 USC §112, I acknowledge the duty to disclose material information as defined in 37 CFR 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

09/393,543 Serial No.	September 10, 1999 Filing Date	Abandoned Status

### POWER OF ATTORNEY

As the named inventor(s), I (we) hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

Names and Registration Nos.	Names and Registration Nos.
Ray G. Wilson Milton D. Wywick Samuel M. Freund	28,351 29,993 30,459
Send Correspondence To: Samuel L. Borkowsky LC/IP, MS A187 Los Alamos National Laboratory Los Alamos, NM 87545	Bruce H. Cottrell Samuel L. Borkowsky 30,620 42,346

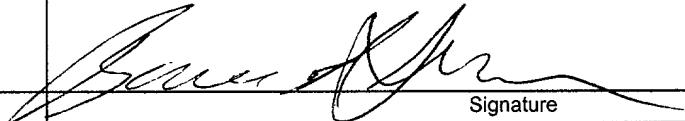
  

Direct Telephone Calls to:	Names and Registration Nos.
Samuel L. Borkowsky (505) 665-3111	

DECLARATION

COPY OF PAPERS  
ORIGINALLY FILED

I (We) hereby declare that all statements made herein of my (our) own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 USC §1001 and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Karen M. Grace		
Full Name of Inventor		Signature
Ranchos de Taos, New Mexico		5/17/02
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Residence (City, State or Foreign Country)		Date
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Seppo Honkanen		
Full Name of Inventor		Signature
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Postal Address (Street, City, State, Zip Code)		Citizenship
Full Name of Inventor		Signature
Residence (City, State or Foreign Country)		Date
Postal Address (Street, City, State, Zip Code)		Citizenship
Full Name of Inventor		Signature
Residence (City, State or Foreign Country)		Date
Postal Address (Street, City, State, Zip Code)		Citizenship



S-97,794

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I (We) hereby claim foreign priority benefits under 35 USC §119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

### PRIOR FOREIGN APPLICATION(S)

Number	Country	Filed (Day/Month/Year)	Priority Claimed	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
			<input type="checkbox"/> <input checked="" type="checkbox"/>	

### PRIOR U.S. APPLICATIONS

I hereby claim the benefit under 35 USC §119(e) of any United States provisional application(s) listed below:

60/100,250 September 10, 1998  
(Application Number) Filing Date

(Application Number) Filing Date

I (We) hereby claim the benefit under 35 USC §120 of any United States application(s) listed below and insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of 35 USC §112, I acknowledge the duty to disclose material information as defined in 37 CFR 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

09/393,543 September 10, 1999 Abandoned  
Serial No. Filing Date Status

### POWER OF ATTORNEY

As the named inventor(s), I (we) hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

Names and Registration Nos.	Names and Registration Nos.
Ray G. Wilson 28,351 Milton D. Wyrick 29,993 Samuel M. Freund 30,459	Bruce H. Cottrell 30,620 Samuel L. Borkowsky 42,346
<u>Send Correspondence To:</u> Samuel L. Borkowsky LC/IP, MS A187 Los Alamos National Laboratory Los Alamos, NM 87545	<u>Direct Telephone Calls to:</u> Samuel L. Borkowsky (505) 665-3111

**DECLARATION**

I (We) hereby declare that all statements made herein of my (our) own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 USC §1001 and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Karen M. Grace	
Full Name of Inventor	Signature
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Residence (City, State or Foreign Country)	Date
PO Box 517, Ranchos de Taos, New Mexico 87557	US
Postal Address (Street, City, State, Zip Code)	Citizenship
Basil I. Swanson	
Full Name of Inventor	Signature
Los Alamos, New Mexico 87544	
Residence (City, State or Foreign Country)	Date
3463 Urban Street, Los Alamos, New Mexico 87544	US
Postal Address (Street, City, State, Zip Code)	Citizenship
Seppe Honkanen	<i>Seppe Honkanen</i>
Full Name of Inventor	Signature
Tucson, Arizona 85750	
Residence (City, State or Foreign Country)	<i>5/17/02</i> Date
5431 N. Indian Trail, Tucson, Arizona 85750	Finland
Postal Address (Street, City, State, Zip Code)	Citizenship
Full Name of Inventor	Signature
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Full Name of Inventor	Signature
Residence (City, State or Foreign Country)	Date
Postal Address (Street, City, State, Zip Code)	Citizenship

JUN 01 2002 - 060902

Revised 03/29/02

<b>CHANGE OF CORRESPONDENCE ADDRESS</b> <b>Application</b>			
Address to:  Commissioner for Patents Washington, DC 20231			
		Application Number	10/052,862
		Filing Date	November 9, 2001
		First Named Inventor	Karen M. Grace et al.
		Art Unit	
		Examiner Name	
		Attorney Docket Number	S-97,794

<input checked="" type="checkbox"/> Firm or Individual Name					
Address	Los Alamos National Laboratory				
Address	LC/IP, MS A187				
City	Los Alamos	State	NM	ZIP	87545
Country	USA				
Telephone	(505) 665-3111	Fax	(505) 665-4424		

I am the:

- Applicant/Inventor.
- Assignee of record of the entire interest.  
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).
- Attorney or Agent of record.
- Registered practitioner named in the application transmittal letter in an application without an executed oath or declaration. See 37 CFR 1.33(a)(1). Registration No. XXXXXX.

Typed or Printed

Name

Samuel L. Borkowsky

Signature

*Samuel L. Borkowsky*

Date

*May 31, 2002*

NOTE: Signature of all inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below\*.

- \*Total of 1 form is submitted.